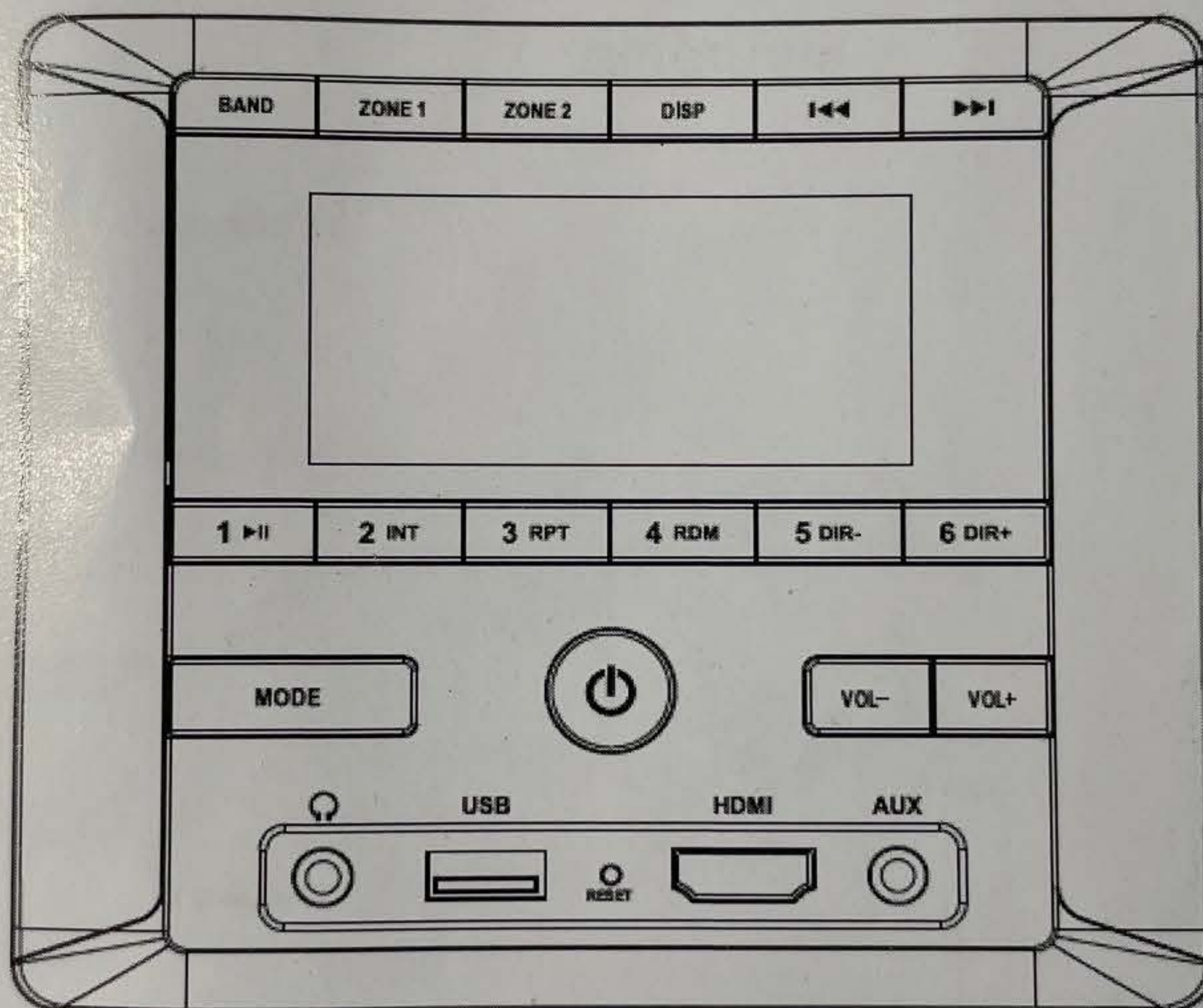




BT 105 Manual



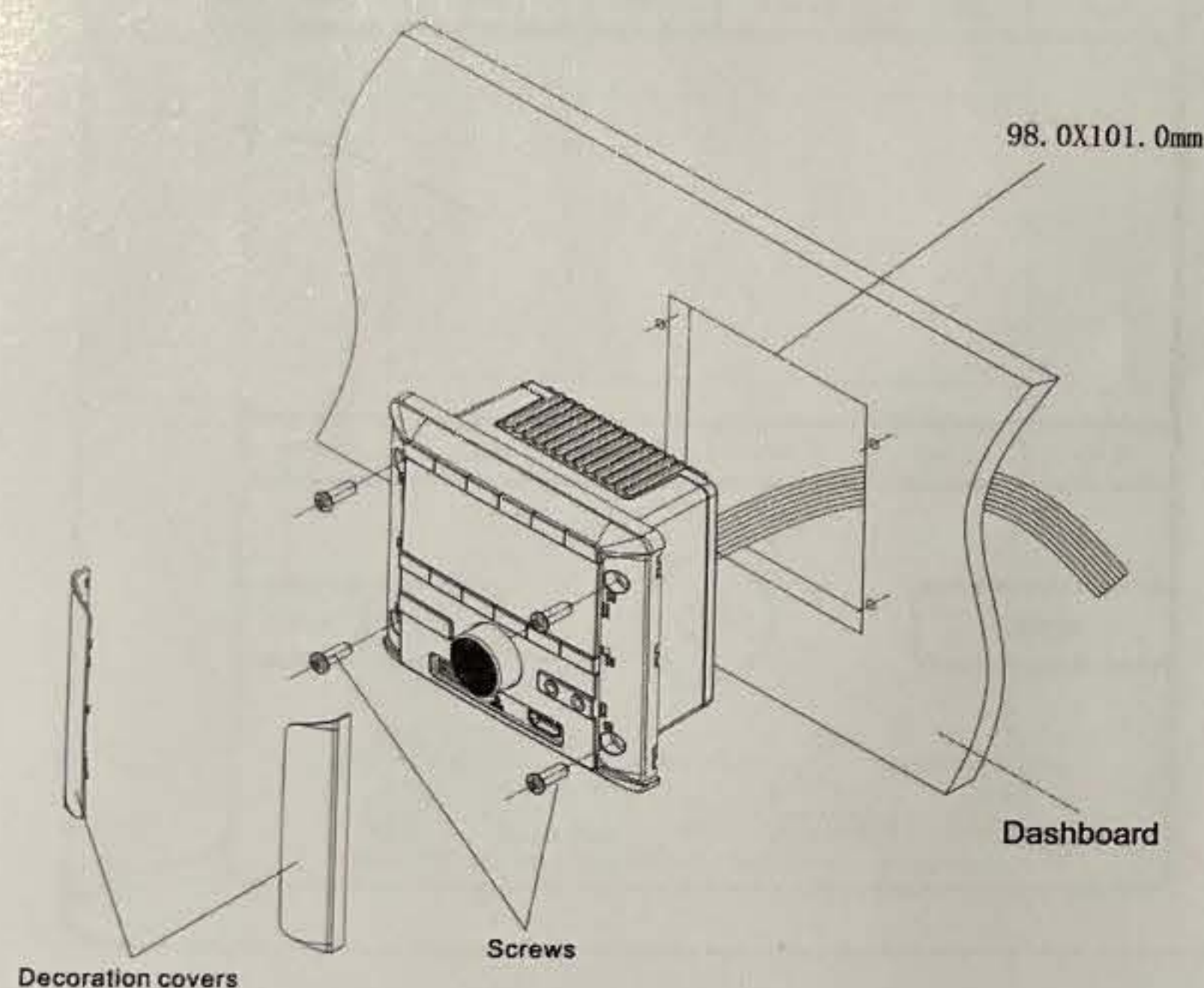
Please read the instruction carefully before operating the unit

ATTENTIONS OF INSTALLATION

1. Please read the instruction manual carefully before installing the unit.
2. Make sure to connect other wires before power on the unit.
3. To avoid short circuit. Please make sure all the exposed wires are insulated.
4. Please fix all the wires after installation.
5. Please make connection to the player accordingly to this instruction manual. Wrong connection may cause damage to the unit.
6. This player only fit for 12V DC device.

INSTALL THE UNIT

Mounting



REMOVE THE UNIT

1. Remove the unit.
2. Take out the outer trim frame.

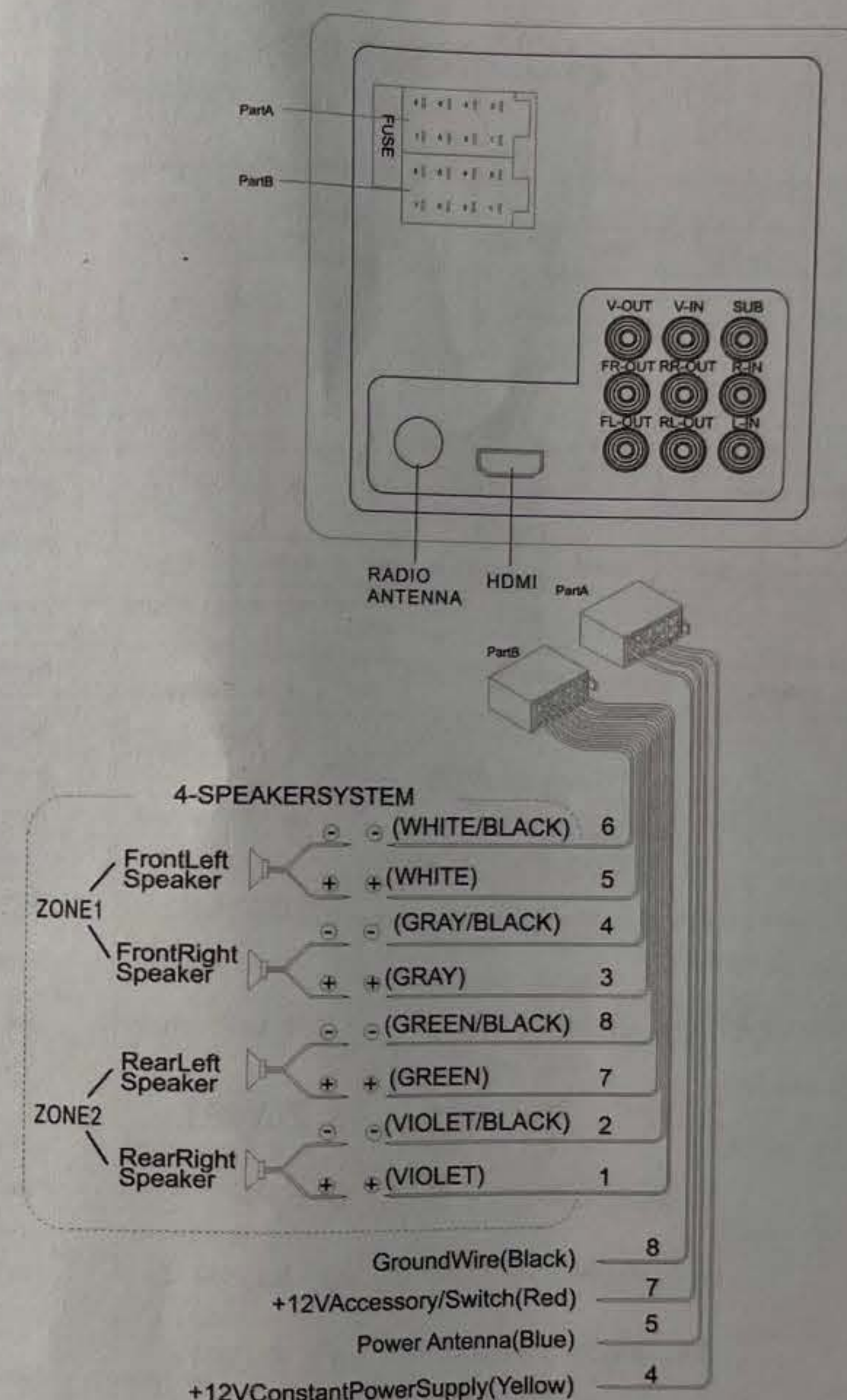
HDMI attention:

Please use good quality HDMI cable.

The overall length (front and rear) should not over 12 feet.

WIRING CONNECTION

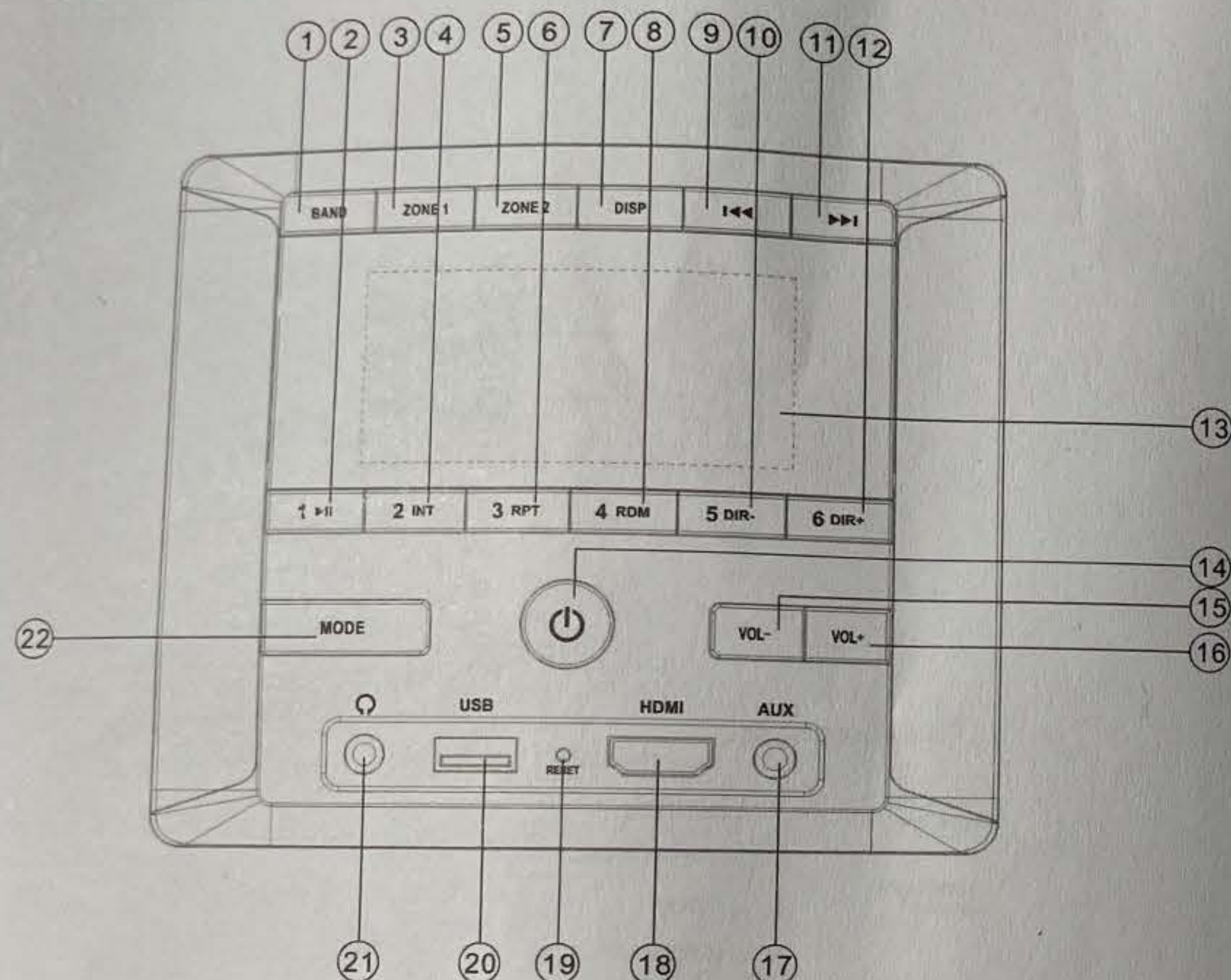
WIRING CONNECTION



1. This player can only be used by the 12V DC.
2. Do not connect the battery terminal until the player is fully well installation.
3. Please make sure to connect the yellow wire to the positive of the battery(+).
4. When change the fuse. Please make sure the specifications are same.
5. Using good quality speaker with 4-8 ohm can result in the best effect of the equipment.

OPERATION

LOCATION OF KEYS



1. BAND.
2. 1 PAU.
3. ZONE1.
4. 2 INT.
5. ZONE2.
6. 3 RPT.
7. DISP.
8. 4 RDM.
9. 11.
10. 5 DIR-.
11. 11.
12. 6 DIR+.
13. LCD DISPLAY.
14. POWER BUTTON.
15. VOL-.
16. VOL+.
17. AUX in jack.
18. HDMI in PORT.
19. RESET.
20. USB PORT.
21. EARPHONE jack
22. MODE

OPERATION

KEY FUNCTIONS:

KEYS	ACTION	RADIO	USB	AUX IN 1/2	BT MUSIC
POWER /SEL	Short	BAS-TRE-BAL-EQ-L LOUD-BEEP-P_VOL- DX-ST	BAS-TRE-BAL-EQ-LO UD-BEEP-P_VOL/ Search: Enter	BAS-TRE-BAL-EQ- LOUD-BEEP-P_VOL	BAS-TRE-BAL-EQ- LOUD-BEEP- P_VOL
	Long	Power off	Power off	Power off	Power off
MODE	Short	Change source	Change source/Search:7	Change source	Change source
	Long	BT off/link	BT off/link	BT off/link	BT off/link
BAND	Short	Band change	Song search	/	/
	Long	Auto Store	/	/	/
DISP	Short	Info/Clock	Info/Clock / Search:0	Info/Clock	Info/Clock
	Long	Clock setting	Clock setting	Clock setting	Clock setting
ZONE 1	Short	Zone 1 enable/unable	Zone 1 enable/unable	Zone 1 enable/unable	Zone 1 enable/unable
	Long	Zone 1 Mute on/off	Zone 1 Mute on/off	Zone 1 Mute on/off	Zone 1 Mute on/off
ZONE 2	Short	Zone 2 enable/unable	Zone 2 enable/unable	Zone 2 enable/unable	Zone 2 enable/unable
	Long	Zone 2 Mute on/off	Zone 2 Mute on/off	Zone 2 Mute on/off	Zone 2 Mute on/off
>>I	Short	Seek up	Next file/Search:9	/	Next file
	Long	Manual turn up	FF	Reset (5 Seconds)	/
I<<	Short	Seek down	Previous file/Search:8	/	Previous file
	Long	Manual turn down	FR	/	/
VOL-	Short	Volume down	Volume down / Search:0-9999	Volume down	Volume down
	Long	Volume down fast	Volume up fast	Volume down fast	Volume down fast
VOL+	Short	Volume up	Volume up / Search:0-9999	Volume up	Volume up
	Long	Volume up fast	Volume up fast	Volume up fast	Volume up fast
1/PAU	Short	Recall M1 station	Play/Pause/Search:1	/	/
	Long	Save station to M1	/	Software version	/
2/INT	Short	Recall M2 station	INT ON/OFF/Search:2	/	/
	Long	Save station to M2	/	/	/
3/RPT	Short	Recall M3 station	RPT(one/fold/all) /Search:3	/	/
	Long	Save station to M3	/	/	/
4/RDM	Short	Recall M4 station	RDM on/off / Search:4	/	/
	Long	Save station to M4	/	/	/
5/DIR-	Short	Recall M5 station	DIR-/Search:5	/	/
	Long	Save station to M5	-10	/	/
6/DIR+	Short	Recall M6 station	DIR+/Search:6	/	/
	Long	Save station to M6	+10	/	/

OPERATION

Basic operation:

Turn on/off the unit

Press **⏻** button to turn on the unit. When the unit is switched on, press and hold **⏻** button for 2 seconds to turn off the unit.

Sound and setting adjustment

Shortly press **⏻** knob into the setting menu as below:
BASS-TRE-BAL-EQ-LOUD-BEEP-P_VOL-DX-STEREO
In each item press **VOL+/-** button to set them.

EQ: To select one of the preset EQ (FLAT/POP/ROCK/CLAS/OFF).

LOUD (on/off): Turn on/off the loudness function.

BEEP (on/off): Turn on/off the beep sound when the button was pressed.

P-VOL (Preset VOL): Setting the power on volume. When the volume that turn off the unit is small than the P-VOL value. Next time turn on the unit it will keep the volume that turn off the unit. When the volume that turn off the unit is large than the P-VOL value. Next time turn on the unit the volume will be back to the P-VOL volume value.

DX/LOC (Distance/Local):

LOC ON: To reduce the receiving sensitivity when you search station. That means you can receive the station that sound is good.

LOC OFF: Don't reduce receiving sensitivity when you search the station. That means you can receive more stations.

STEREO/MONO:

STEREO: Receiving FM stereo signal.

MONO: Change to monochrome. When the signal is not good. Changing it to MONO mode will reduce the noise.

Zone1 and Zone 2 operation

Press Zone 1 (Zone 2) to make the ZONE 1 (Zone 2) unable/enable.

Zone 1 (Zone 2) = enable: Press **VOL+/-** button can make zone 1 (zone 2) volume up/down.

Zone 1 (Zone 2) = unable: Press **VOL+/-** button can't make zone 1 (zone 2) volume up/down.

Press and hold Zone 1 (Zone 2) button for 2 seconds to make zone 1 (zone 2) MUTE on/off.

Showing Information/Clock

Press **DISP** button to show the clock or information.

Clock setting

Press and hold **DISP** button for 2 seconds. The "HH" will be flashing. Rotating VOL knob to set the hour. Press **DISP** button the "MM" will be flashing. Rotating VOL knob to set the minute. Then press **DISP** button to exit.

Head phone operation

There is a 3.5mm head phone jack in the front panel. It is following the zone 1's volume.

OPERATION

Radio Operation

Receive a radio station

Press **MODE** button to select radio mode. Then press **BAND** button to select desired band. Shortly press **⏮/⏭** button to auto seek up/down the desired radio station. Press and hold **⏮/⏭** button for manual tuning the frequency.

Manually store station & recall preset station

Receiving a desired station. Press and hold one of the preset button (1~6) for 2 seconds. The current station is stored into the number button. Shortly press the preset button (1~6) to directly listen the station that saved in the corresponding preset button.

Auto store station

Press and hold **BAND** button for 2 seconds to auto store stations to numeric buttons 1-6 of band 1~3.

USB Operation

When an USB driver inserted to the unit, the unit will play the MP3/WMA file automatically. If an USB drive is already inserted in the unit. Keep pressing **MODE** button shortly until the USB mode display appears.

Select file

Press **⏮/⏭** button to skip to next/previous file. Hold **⏮/⏭** button to fast forward or fast reverse.

Play/Pause

Press **▶||** button to pause/playing the file.

INTRO playing

Press **INT** button to play first 10 seconds of each file. Press again to stop this function.

Repeat function

Press **RPT** button to select RPT mode.

RPT FOLD: Repeat all files of the folder.

RPT ONE: Repeat the same file.

RPT ALL: Repeat all files (default).

RANDOM

Press **RDM** button to choose RDM on/off.

RDM on: Playing all files in random order.

RDM off: Turn off the random function.

Directory+/- function

Press **DIR+/DIR-** button to select next/previous folder to play.

+10/-10 skip function

Press and hold **DIR+/DIR-** button for 2 seconds to skip +10/-10 files to play.

OPERATION

Search song

Press **BAND** button. It shows NUM 0000. Rotating VOL (or directly enter number) to select the numbers then press VOL to play. Please note the 7/8/9/0 as: MODE=7, ◀=8, ▶=9, DISP=0.

AUX IN 1/2 operation

AUX IN 1 for front panel 3.5mm jack. AUX IN 2 for rear RCA connectors. Pressing **MODE** button to switch to AUX IN 1/2 source when Connected a audio signal to the unit.

HDMI operation

The front HDMI port is pass through to the rear HDMI port. So any operation will not affect to the HDMI playback.

Bluetooth Operation

Pairing

On mobile phone, select the Bluetooth item searching the Bluetooth device. "BT 105" should appear in the list, select "BT 105" and then input password "0000" If it needs a password. When successful paired, the BT mark will be displayed on LCD.

Bluetooth Audio

Press **MODE** button to switch to BT MUSIC mode. It will play a song of your mobile phone automatically. Press ▶ key to pause/play the song. Press ▶/◀ button to select next/previous song.

Disconnect the Bluetooth

When the mobile phone paired with the unit. Press and hold **MODE** button to disconnect the Bluetooth. Press and hold **MODE** button again to connect the Bluetooth again.

BT APP operation

1. APP installation

Using smart phone to control the unit. To install the "DRIVE BT 100" app onto your smart phone. The APP can be downloaded from Google Play (Android phone) or App Store (iPhone). Search for "DRIVE BT 100" and proceed to download. Install per the app instructions.

2. Open the BT function of the smart phone and pair with the "BT 105" and "BT 105APP".

3. Turn on the APP and connect with "BT 105 APP" then it will enter a source.

Note: 1) The smart phone must be Bluetooth version 4.0 or above.

2) Before turn on the APP, make sure the unit didn't pair with another device.

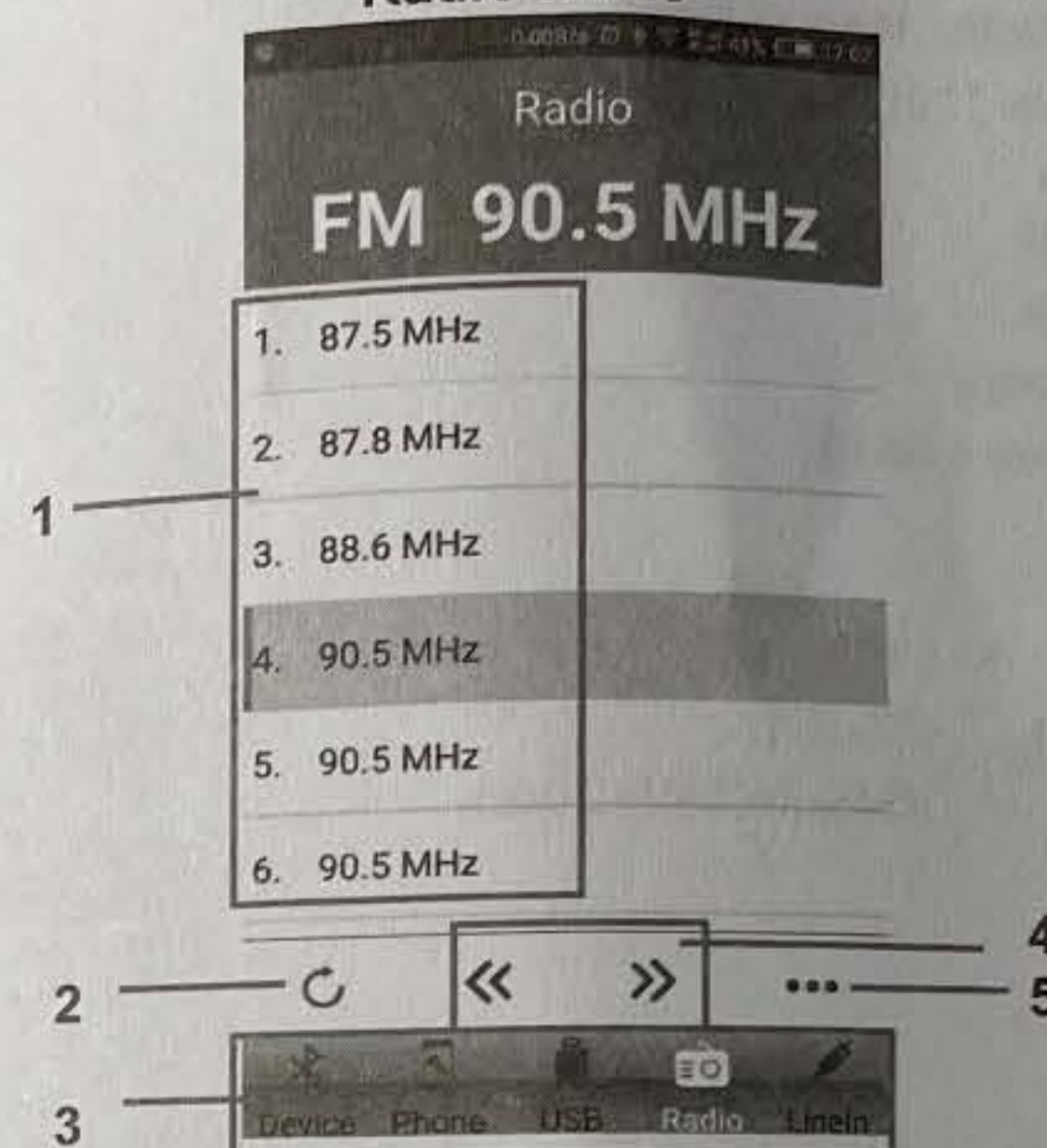
RADIO mode

Auto store station: In FM band clicking ◯ button to auto store stations (up to 18 pcs stations). In AM band clicking ◯ button to auto store stations (up to 12 pcs stations).

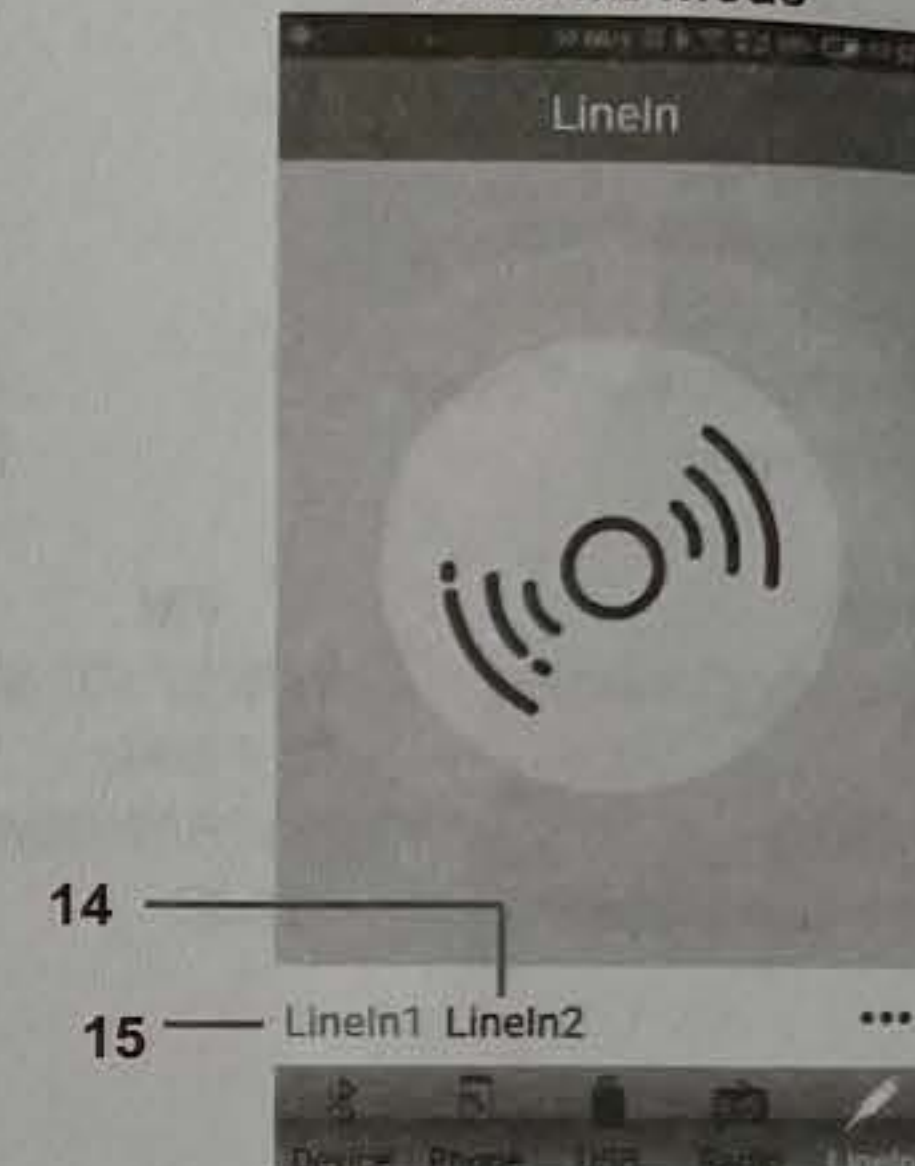
Manually store station: Receiving a desired station. Press and hold one of the preset station (1~18) for 2 seconds. The current station is stored into the number. Shortly press the preset station (1~18) to directly listen to this station.

OPERATION

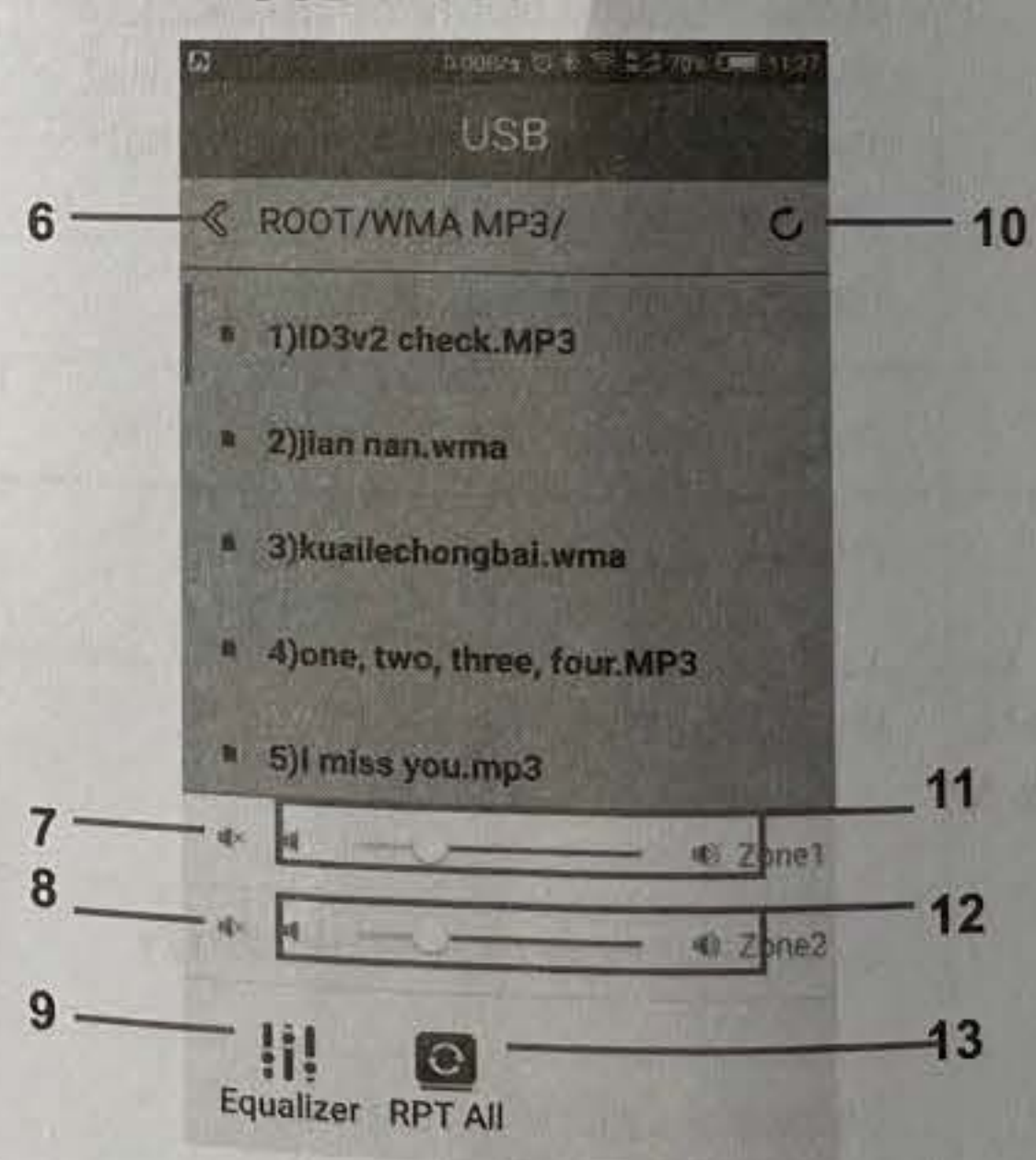
Radio mode



AUX 1/2 mode



USB mode



BT MUSIC mode



- 1: preset station
- 4: Seek up/down button
- 7: Zone 1 MUTE
- 10: refresh button
- 13: RPT/RDM button
- 16: pause/play button

- 2: Auto store button
- 5: Sub menu
- 8: Zone 2 MUTE
- 11: Zone 1 VOL.
- 14: AUX in 2(HDMI) mode

- 3: source change
- 6: Back to previous folder
- 9: EQ setting
- 12: Zone 2 VOL.
- 15: AUX 1 mode

OPERATION

GENERAL

Power Supply Requirements	: DC 12 Volts, Negative Ground
Chassis Dimensions	: 129(W) x 112(D) x 65(H)
Tone Controls	
- Bass (at 100 Hz)	: ± 10 dB
- Treble (at 10 kHz)	: ± 10 dB
Maximum Output Power	: 4 x 40 watts
Current Drain	: 10 Ampere (max.)

RADIO	FM	AM
Frequency Coverage	87.5 to 107.9 MHz	530 to 1710 kHz
IF	10.7 MHz	450 KHz
Sensitivity	4 μ V(S/N=30dB)	36dBuV(S/N=20dB)
Stereo Separation	>25dB	/

TROUBLE SHOOTING

Symptom	Cause	Solution
No power.	The car ignition switch is not on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse is blown.	Replace the fuse.
No sound.	Volume is in minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
The operation keys do not work.	The built-in microcomputer is not operating properly due to noise.	Press the reset button.
The radio does not work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.
APP play phone music sound can't send to unit.	Unit paired with another mobile phone.	1) Turn off the Bluetooth function of another mobile. 2) Exit APP and turn on APP again.